

Final Project

Overview: Create a database and the appropriate functions/procedures.

Review the specification below and complete all the requirements of the project. Your group was hired to design, develop, and test a database for a **general scenario** (decide it with your instructor – see list below). Your work **MUST** contain a **specific scenario** created by your group and approved by your instructor based on a problem a database may face. Discussions must be done in class with your instructor during the **SCRUM** meetings.

The following steps should be taken:

- Design the database, following an ER approach using MySQL Workbench; then go through the normalization process to come up with a collection of tables that are in 3rd normal form.
- Create realistic constraints such as primary keys, foreign keys, unique, and not null constraints, for the tables and attributes, etc.
- After, use the model to generate the script to create the database, tables, columns, etc.
- Populate the database in order to present your final results working in class as you run your queries.
- Create a script and backup of the database, data, and queries in order to run them during the presentation.

General Scenario:

- Pet Store
- Doctors Office

- Toy Store
- Pharmacy
- Game Store
- Book Store
- Home Decor Store
- Car Service Store
- Childcare registration

Specific Scenario: The group should include a list of three queries that will be appropriate for the system. Also, 3 procedures or functions that will be useful for the system. Decide them with your instructor and get approval before going ahead.

The presentation should be professional (slides to explain the group work).

Once you have all items complete (ER model, script, backup file, queries, procedures, zip all files together and submit them to the Final Project dropbox (YourName-DB-FinalProject.zip). Each participant in the group should submit the files.

Grading Criteria

The project will be graded on the following criteria:

- Participation - Scrum meetings are mandatory.
- Make sure the relationships between tables make sense.
- Make sure all requirements are met based on the work request - **Rubric**.
- Make sure to save each work request file as stated in the work order and one zip file is submitted at the end.